BZ02

Panasonic

Room Air Conditioner

OPERATING INSTRUCTIONS

Before using your air-conditioner, please read this operating instructions carefully and keep it for future reference.

INVERTER MODEL :-

(Refrigerant : R410A)

Indoor	Outdoor
CS-E9CKP	**CU-E9CKP5**
CS-E12CKP	**CU-E12CKP5**
CS-E15CKP	**CU-E15CKP5**

ENGLISH ..... P. 1 – P. 10
PORTUGUÊS ..... P. 11 – P. 20
DEUTSCH ..... P. 21 – P. 30
FRANÇAIS ..... P. 31 – P. 40
NEDERLAND ..... P. 41 – P. 50
ITALIANO ..... P. 51 – P. 60
GREEK ..... P. 61 – P. 70
ESPAÑOL ..... P. 71 – P. 81
RUSSIAN ..... P. 82 – P. 93

CE

MATSUSHITA INDUSTRIAL CORP. SDN. BHD.
LOT 2, PERSIARAN TENGKU AMPUAN, SECTION 21,
SHAH ALAM INDUSTRIAL SITE, SELANGOR, MALAYSIA

F563844

Thank you for purchasing our Panasonic Room Air Conditioner.

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Note:
Before using your air conditioner, please read this operating instructions carefully and keep it for future reference.

FEATURES

Cool, quiet, comfort from Panasonic Inverter Aided air conditioner

- **Illuminating Button**
  For your convenience to operate in the dark.
  (Refer page 4)
- **Automatic Operation**
  Sense indoor temperature to select the optimum mode.
  (Refer page 5)
- **Vertical / Horizontal Air Swing**
  Auto swing for vertical and horizontal airflow direction.
  (Refer page 6)
- **Quiet Mode**
  To provide quiet operation.
  (Refer page 7)
- **Ionizer Mode**
  Produce negative ion for fresh air.
  (Refer page 7)
- **Powerful Mode**
  Reaches the desired room temperature quickly.
  (Refer page 7)
- **Removable Front Panel**
  For quick and easy cleaning. (washable)
  (Refer page 8)
- **Catechin Air Purifying Filter**
  Filter that can trap dust, tobacco smoke and tiny particles in the room. It can also prevent growth of bacteria and viruses trapped in this filter.
  (Refer page 8)
- **Triple Deodorizing Filter**
  Absorb odours produced by wall paper, construction material and living environment.
  (Refer page 8)
- **Auto Restart Control**
  Restart the unit automatically after power failure.
  (Refer page 9)
- **Enviromental Friendly** (For Refrigerant: R410A Model)
  Zero ozone depleting potential and low global warming potential by using R410A refrigerant.

⚠ Warning

1) If the supply cord is damaged or needed to be replaced, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
2) Remove power plug or disconnect from the main before servicing this appliance.
3) Do not repair by yourself.
   In case of malfunction of this appliance, do not repair by yourself. Contact the sales dealer or service dealer for a repair.
4) Turn off the power (Isolation from main power supply).
   Pull off the power plug from the receptacle, or switch off the breaker, or switch off the power disconnecting mean to isolate the equipment from the main power supply in case of an emergency.
5) The appliance is not intended for use by young children or infirm person without supervision.
   Young children should be supervised to ensure that they do not play with the appliance.

⚠ Caution

DISCONNECT THE MAIN PLUG FROM THE SUPPLY SOCKET WHEN NOT IN USE, WHERE SUPPLY CONNECTION IS VIA MAIN PLUG.

Airborne noise.
A-weighted sound pressure level of this appliance is less than 70dB (A) under the JIS C 9612 test conditions.
Maximum cooling operation
1 m from the unit

IMPORTANT

Replacement or installation of power plugs shall be performed by authorised/qualified personnel only.

The wires in this main lead are coloured in accordance with the following code:

Green and Yellow	:	Earth
Blue	:	Neutral
Brown	:	Live

“As the colours of the wires in the main lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follow :

The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked by the letter E or by safety earth symbol ⏚ or coloured green or green and yellow.

The wire which is coloured blue must be connected to the terminal which is marked with letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with letter L or coloured red.”

SAFETY PRECAUTIONS

Before operating, please read the following "Safety Precautions" carefully.

- To prevent personal injury, injury to others and property damage, the following instructions must be followed.
- Incorrect operation due to failure to follow instructions will cause harm or damage, the seriousness of which is classified as follow:

⚠ Warning

This sign warns of death or serious injury.

⚠ Caution

This sign warns of damage to property.

- The instructions to be followed are classified by the following symbols:

This symbol (with a white background) denotes an action that is PROHIBITED.

These symbols (with a black background) denote actions that are COMPULSORY.

■ Installation Precautions

⚠ Warning

- **Do not install, remove and reinstall the unit by yourself.**
  Improper installation will cause leakage, electric shock or fire. Please engage an authorized dealer or specialist for the installation work.

⚠ Caution

- **This room air conditioner must be earthed.**
  Improper grounding could cause electric shock.
- **Ensure that the drainage piping is connected properly.**
  Otherwise, water will leak out.

- **Do not install the unit in a potentially explosive atmosphere.**
  Gas leak near the unit could cause fire.

■ Operation Precautions

⚠ Warning

This sign warns of death or serious injury.

- Do not share outlet.
- Do not insert plug to operate the unit. Do not pull out plug to stop the unit.
- Do not operate with wet hands.
- Do not damage or modify the power cord.
- Do not insert finger or other objects into the indoor or outdoor units.
- Do not expose directly to cold air for a long period.

- Plug in properly.
- Use specified power cord.

- If abnormal condition (burnt smell, etc.) occurs, switch off and unplug the power supply.

⚠ Caution

This sign warns of injury.

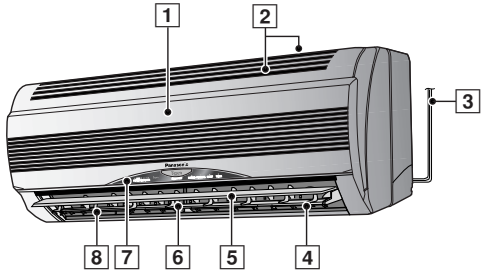
- Do not pull the cord to disconnect the plug.
- Do not wash the unit with water.
- Do not use for other purposes such as preservation.
- Do not use any combustible equipment at airflow direction.
- Do not sit or place anything on the outdoor unit.

- Switch off the power supply before cleaning.
- Ventilate the room regularly.
- Pay attention as to whether the installation rack is damaged after long period of usage.
- Switch off the power supply if the unit is not used for a long period.

ENGLISH

NAME OF EACH PART

■ Indoor Unit



1 Front Panel

2 Air Intake Vent

3 Power Supply Cord

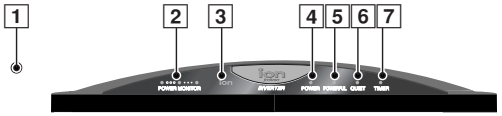
4 Ionizer

5 Vertical Airflow Direction Louver

6 Horizontal Airflow Direction Louver

7 Indicator Panel

8 Air Outlet Vent



1 Auto Operation Button
(when the front panel is opened)

2 Power Monitor Lamps – ORANGE
- Lights up from LOW to HIGH to show the compressor operating condition.
- Light off when then compessor stops.

3 Ionizer Mode Indicator – GREEN

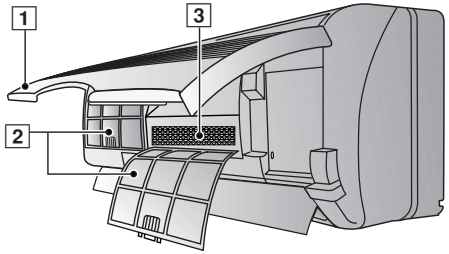
4 Power Indicator – GREEN

5 Powerful Mode Indicator – ORANGE

6 Quiet Mode Indicator – ORANGE

7 Timer Mode Indicator – ORANGE

● **Indoor Unit**
(when the front panel is opened)

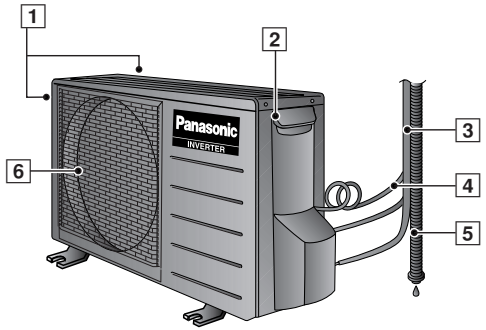


1 Front Panel

2 Air Filters

3 Air Purifying Filter

■ Outdoor Unit



1 Air Intake Vents

2 Ground Terminal
(Inside cover)

3 Piping

4 Connecting Cable

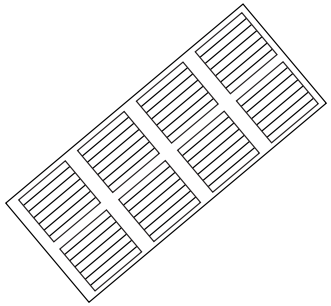
5 Drain Hose

6 Air Outlet Vents

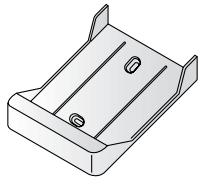
■ Accessories

● **Remote Control**

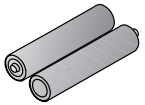
● **Remote Control Indication Sticker**



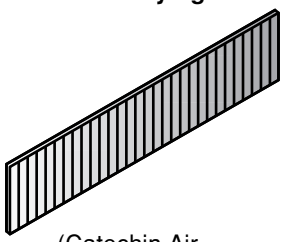
● **Remote Control Holder**



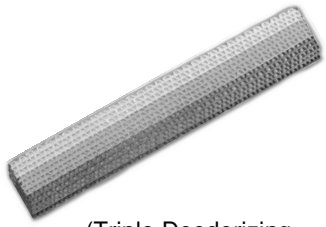
● **Two RO3 (AAA) dry-cell batteries or equivalent**



● **Air Purifying Filter**



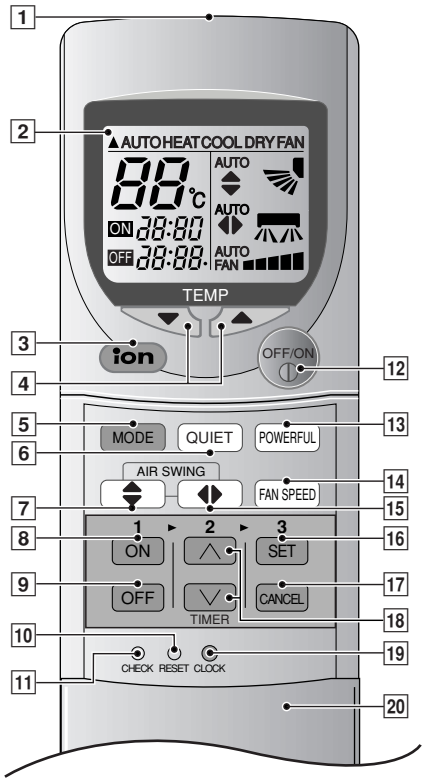
(Catechin Air Purifying Filter)



(Triple Deodorizing Filter)

NAME OF EACH PART

■ Remote Control



- **Remote Control Signal.**
  - Make sure it is not obstructed.
  - Maximum distance : 10 m.
  - Signal received sound.
    One short beep or one long beep.

- **Notes for Remote Control.**
  - Do not throw or drop.
  - Do not get it wet.
  - Certain type of fluorescent lamps may affect signal reception. Consult your dealer.

1 Signal Transmitter

2 Operation Display

3 Ionizer Mode Operation Button

4 Room Temperature Setting Button
(Illuminating button)

5 Operation Mode Selection Button

6 Quiet Mode Operation Button

7 Vertical Airflow Direction Button

8 ON-Timer Button

9 OFF-Timer Button

10 Reset Point
(Press with fine-tipped object to clear the memory)

11 Check Point
To be used by the service technician only.

12 OFF/ON Button
(Illuminating button)

13 Powerful Mode Operation Button

14 Fan Speed Selection Button

15 Horizontal Airflow Direction Button

16 Timer Set Button

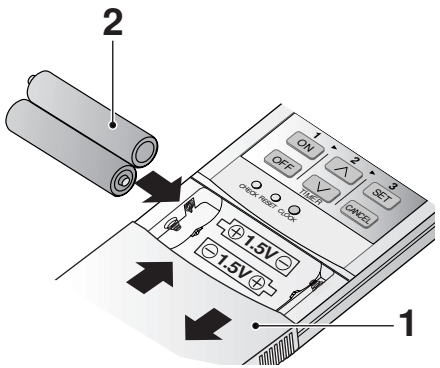
17 Timer Cancellation Button

18 Time-Setting Button

19 Clock Button

20 Remote Control Cover

- **How to Insert the Batteries**



1 Slide down the remote control cover completely

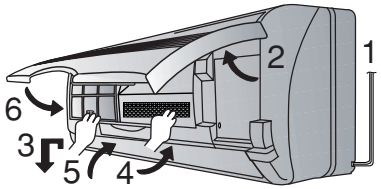
2 Insert the batteries
- – Be sure the direction is correct
- – 12.00 at display - flashing
- • Set the current time (CLOCK) immediately to prevent battery exhaustion.

- **About the batteries**
  - Can be used for approximately one year.

- **Observe the following when replacing the batteries**
  - Replace with new batteries of the same type.
  - Do not use rechargeable batteries (Ni-Cd).
  - Remove the batteries if the unit is not going to be used for a long period.

PREPARATION BEFORE OPERATION

■ Indoor Unit



1 Connect the power supply cord to an independent power supply

2 Open the front panel

3 Remove the air filters

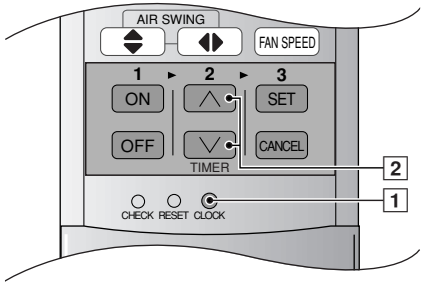
4 Fit the air purifying filters in place

5 Insert the air filters

6 Close the front panel

■ Remote Control

– To set the current time



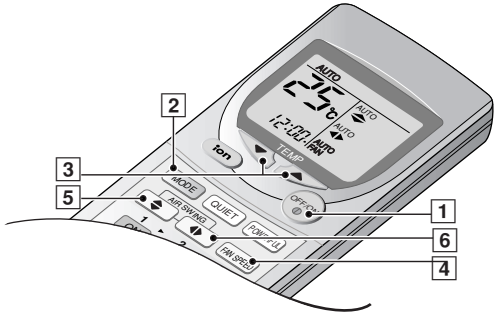
1 Press [1].

2 Then press [2] to increase or decrease the time.

3 Press [1] again.

Set time at display will light up.

HOW TO OPERATE



■ To start the operation

- Press [1].
- POWER indicator (green) on the indoor unit will light up. (LED blinks when the room temperature is low at the start of heating or operation mode is selected during Automatic Operation.)
  The power monitor lamps light up to show the compressor operating condition.
- To stop, press once more.

■ Setting Mode

- Press [2] to select:-

AUTO	–	Automatic Operation
HEAT	–	Heating Operation
COOL	–	Cooling Operation
DRY	–	Soft Dry Operation
FAN	–	Fan Operation

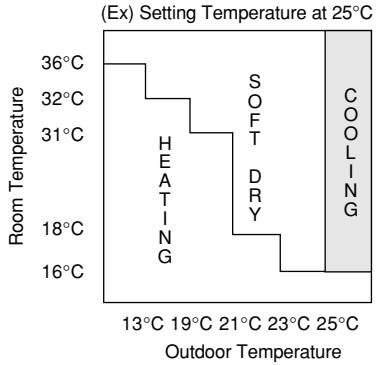
■ Setting Temperature

- Press [3] to increase or decrease the temperature.
- The temperature can be set between 16°C ~ 30°C. (Not adjustable during Fan Operation.)
- Recommended temperature:

HEAT	:	20°C ~ 24°C
COOL	:	26°C ~ 28°C
DRY	:	Approx. room temperature

■ Automatic Operation

- At the start of the Automatic operation, Heating, Cooling or Soft Dry is automatically selected according to the outdoor temperature, indoor temperature and setting temperature.
- The operation mode changes every half hour, when necessary.



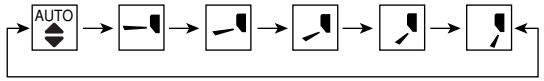
■ Setting the Fan Speed

• Press [4] to select:-
There are five stages of fan speed in addition to Auto Fan speed.

AUTO
FAN – **Heating**
When the temperature of the discharge air increases, the fan speed increases.
Cooling ● Dry
Changes the fan speed to generate a cool breeze. The air starts to blow out approximately 40 seconds after the start of Cooling or Soft Dry.

■ Setting the Vertical Airflow Direction.

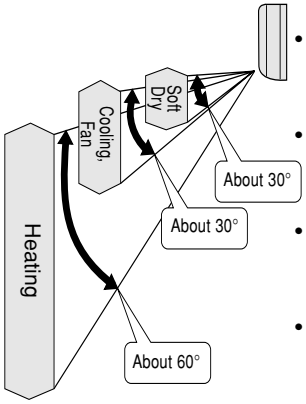
• Press [5] to select:-



AUTO • For COOL/DRY operation.
Swing up/down automatically.

AUTO • For HEAT operation
When the discharge air temperature is low such as at the start of the heating operation, the air blows at horizontal level. As the temperature rises, the hot air blows in a downwards direction.

● Louver adjustment range



- The adjustment range is different for each operation i.e. Heating, Cooling and Soft Dry. (Fig.at left)
- The angle indicated on the remote control is different from that on the indoor unit.
- The louver angle automatically changes to prevent condensation during Cooling and Soft Dry.
- When operation stops, the louver automatically closes.

※ Five stages of adjustments can be made in this range.

● Notes

- Do not adjust the vertical airflow direction louver downward during Cooling and Soft Dry. Drops of water may condense on the air outlet vent and drip down.
- Use the remote control to change the vertical airflow direction louver. Using your hands to adjust the direction may cause the louver to malfunction. If this happens, stop operation immediately and restart.

■ Setting the Horizontal Airflow Direction.

• Press [6] to select:-

Horizontal Airflow Direction	Indoor Unit	
	Remote Control	

AUTO • For COOL/DRY operation.
Louvers swing horizontally at a fixed speed.

AUTO • For HEAT operation
When air temperature is low, air is sent in . When temperature goes up, louver swing horizontally at a fixed speed.

● Use this air conditioner under the following conditions:

Unit in °C

DBT: Dry Bulb Temp WBT: Wet Bulb Temp	Indoor		Outdoor	
	DBT	WBT	DBT	WBT
Maximum Temperature-Cooling (Maximum Temperature-Heating)	32 (30)	23 (-)	43 (24)	26 (18)
Minimum Temperature-Cooling (Minimum Temperature-Heating)	16 (2)	11 (-)	16 (-5)	11 (-6)

● Notes

- If the unit is not going to be used for an extended period of time, turn off the main power supply. If it is left at the ON position, approximately 2.8 W of electricity will be used even if the indoor unit has been turned off with the remote control.
- If operation is stopped, then restart immediately, the unit will resume operation only after 3 minutes.

● Operation Details

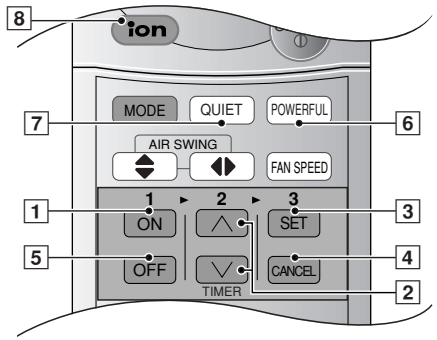
COOL – Cooling Operation
- To set the room temperature at your preference cooling comfort.

AUTO – Automatic Operation
- Sense indoor temperature to select the optimum mode.
- Temperature is not displayed on the remote control during AUTO operation.

DRY – Soft Dry Operation
- Dehumidifies while maintaining the setting temperature. The Soft Dry Operation is recommended during the rainy season.
- If the room temperature exceeds the setting temperature, operation switches to Cooling.
- The fan speed is rather slow during Soft Dry Operation.
- The humidity may not decrease when the indoor temperature is lower than the setting temperature on the remote control.

HEAT – Heating Operation
- To warm up the room temperature upon your preference setting temperature.
- Heat is obtained from outdoor air to warm up the room. When the outdoor ambient air temperature falls, the heating capacity of the unit might be reduced. We recommend that you use an additional heating device when the outdoor ambient air temperature is low.

FAN – FAN Operation
- Circulates air throughout the room.
- Purifies and deodorizes the air if the air purifying filter is used. Fan Operation is recommended during seasons in which neither Heating nor Cooling is used.



SETTING THE TIMER

Ensure that the current time is correct before setting the timer. The timer cannot be set if the time display is flashing.

■ **ON-TIMER Operation**

To start the air conditioner operation automatically.

- Press 1 to set the operation.
- Press 2 to increase or decrease the time.
- Then press 3.
- To cancel this operation, press 4.

■ **OFF-TIMER Operation**

To stop the air conditioner operation automatically.

- Press 5 to set the operation.
- Press 2 to increase or decrease the time.
- Then press 3.
- To cancel this operation, press 4.

● **Timer Mode Operation Details**

- When the ON-Timer is set, operation will start before the actual set time. This is to allow the room temperature to reach the setting temperature by the setting time. (Maximum of 35 minutes in advance).
- Once the timer is set, operation will start and stop at the same time everyday.
- The current time is not displayed when the timers are set.
- When both timers are used together, the TIMER mode indicator on the indoor unit remains lit even when the operation is stopped by the OFF-TIMER.

CONVENIENCE OPERATION

■ **Powerful Mode Operation**

To obtain the set temperature quickly.

- Used in winter to warm yourself quickly upon returning home (Heating + Powerful).
- Used in summer to cool yourself after a hot bath (Cooling + Powerful).
- Press 6.

※ Powerful mode indicator (orange) on the indoor unit will light up.

- To cancel this operation, press once more.

● **Note**

- The setting temperature and the fan speed changes automatically in order to heat, cool or dehumidify the room quickly.

Operation		Temperature	Fan Speed
Automatic	HEAT	3.5°C higher	Slightly Stronger
	COOL	2°C lower (For first 20 minutes)	
	DRY	1°C lower (For first 20 minutes)	

■ **Quiet Mode Operation**

To provide quiet operation.

- Press 7.

※ Quiet mode indicator on the indoor unit will light up.

- To cancel this operation, press once more.

● **Operation Details**

- Air flow sound will reduce during operation.

■ **Ionizer Mode Operation**

Produce negative ion for fresh air.

- Press 8.

※ Ion mode indicator on the indoor unit will light up.

- To cancel this operation, press once more.

● **Operation Details**

- Air conditioner ON:
  Provide negative ion during operation.
- Air conditioner OFF:
  Provide negative ion with FAN operation.
- If blinking, press 8 twice.
  If still blinking, please call service.

CARE AND MAINTENANCE

■ Cleaning the Indoor Unit and Remote Control

- Wipe gently with a soft, dry cloth.
- Do not use water hotter than 40˚C or polishing fluid to clean the unit.

■ Cleaning the Air Filter

(Recommendation:- If the unit is operated in a dusty environment, clean the filters every two weeks, continuous use of this dirty filters will reduce cooling or heating efficiency)

1 Remove dirt using a vacuum cleaner.

2 Wash back of the air filter with water.

3 If badly soiled, wash it with soap or a mild household detergent.

4 Let it dry and reinstall it.
Be sure the “FRONT” mark is facing you.
※ Damaged air filter.
Consult the nearest authorized dealer.
Part No.: CWD001047.

- Do not use benzene, thinner, scouring powder or clothes soaked in caustic chemical to clean the unit.

■ Cleaning the Front Panel

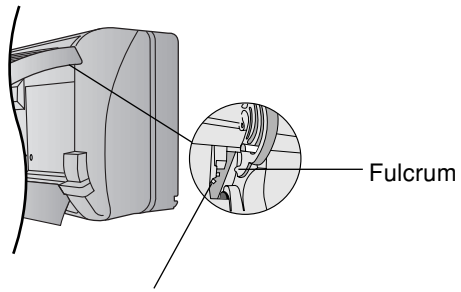
(Must be removed before washing)

1 Raise the front panel higher than the horizontal and pull to remove it.

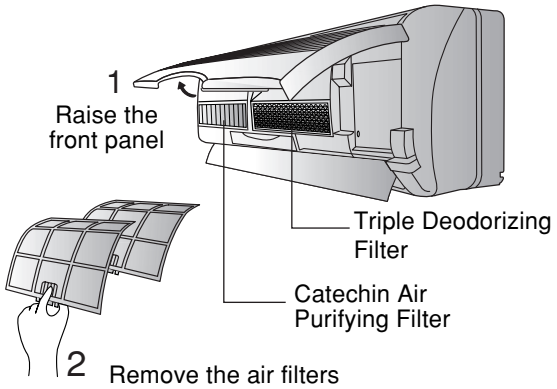
2 Gently wash with water and a sponge.

- Do not press the front panel too hard when washing.
- When use kitchen cleaning fluid (neutral detergent), rinse throughly.
- Do not dry the front panel under direct sunlight.

3 To fix the front panel, raise the front panel horizontally, match the protruding portion on the indoor unit to the fulcrum and push into place.



■ Air Purifying Filters



● **Triple Deodorizing Filter**

- Absorb odours produced by wall paper, construction material and living environment.
- Reusable.
- Vacuum, place under direct sunlight for 6 hours and fit it back in place.
(Recommended : every 6 months)

● **Catechin Air Purifying Filter**

- The filter is coated with catechin to prevent growth of bacteria and viruses.
- Reusable.
- Vacuum and fit it back in place
(Recommended : every 6 months)

- Recommended to change these filters every 3 years.
Do not reuse damaged filters.
Consult the nearest authorized dealer to purchase a new filter.
Catechin Air Purifying Filter No.: CZ-SF70P
Triple Deodorizing Filter No.: CZ-SFD72P

- If you operate the air conditioner with dirty filters:-
– Air is not purified
– Cooling capacity decreases
– Foul odour is emitted

■ Pre-season Inspection

● **Is the discharged air cold/warm?**
Operation is normal if 15 minutes after the start of operation, the difference between the air intake and outlet vents temperature is:-

COOL – 8°C or above HEAT – 14°C or above

● **Are the air intake or outlet vents of the indoor or outdoor units obstructed?**

● **Are the remote control batteries weak?**
If the remote control display appears weak, replace the batteries.

■ When the Air Conditioner is Not Used for an Extended Period of Time

1 To dry the internal parts of the indoor unit, operate the unit for 2 - 3 hours using:-

FAN operation

2 Turn off the power supply and unplug.
Note: If the unit is not switched off by the remote control, it will start operating when you plug in (because the unit is equipped with Auto Restart Control).

3 Remove the remote control batteries.

■ Recommended Inspection

- After used over several seasons, the unit will become dirty and thus decreases the unit’s performance. Depending on the operation conditions, a dirty unit may produce odour and dust may pollute dehumidification system. Therefore, a seasonal inspection is recommended in addition to regular cleaning. (Consult an authorized dealer).

HELPFUL INFORMATION

■ **Auto Operation Button**

• Raise the front panel and press.

● **Automatic Operation**
- If the remote control fails to function or has been misplaced, press the Auto Operation button to start the Automatic operation.
- The Automatic operation will be activated immediately once the Auto operation button is pressed. However, temperature cannot be adjusted in this operation.
- The power indicator on the indoor unit will blink until the operation mode is selected automatically.
- To cancel this operation, press once more.

■ **Auto Restart Control**
- If there is a power failure, operation will be automatically restarted under the previous operation mode and airflow direction when power is resumed. (When the operation is not stopped by remote control).
- If you do not want the unit to restart automatically when power is resumed, switch off the power supply.
- If you do not require Auto Restart Control, consult your dealer.
- Auto Restart Control is not available when Timer Mode is set.
- When the operation restarts, the outdoor unit will operate only after 3~4 minutes.

■ **Timer Setting**
- When power failure occurs, the timer setting will be cancelled. Once power is resumed, reset the timer.

■ **Thunder and Lightning**
- This air conditioner is equipped with a built-in surge protective device. However, in order to further protect your air conditioner from being damaged by abnormally strong lightning activity, you may switch off the main power supply and unplug from power socket.

■ **Voltage fluctuation**
- The outdoor unit stops operation frequently due to a fluctuation in the voltage. Consult your dealer.

ENERGY SAVING AND OPERATION HINTS

Here are some useful tips for optimum performance and cost-effective operation.

■ **Setting the Temperature**
- Approximately 10% of electricity can be saved.
- Set the temperature higher or lower than the desired temperature.

Cooling Operation : 1°C higher Heating Operation : 2°C lower

■ **Air Filters and Air Purifying Filters**
- Clean the air filters every 2 weeks and the Air Purifying Filters every 6 months.
- Dirty filters may reduces cooling or heating efficiency.

■ **Keep All Doors and Windows Closed**
- Otherwise, cooling or heating performance will be reduced and electricity cost is wasted.

■ **Outdoor Unit**
- Do not block the air outlet vents. Otherwise, it will lower the cooling or heating performance.

■ **Timer Mode**
- To prevent wastage of electricity, use Timer when going out.

■ **Avoid Direct Sunlight**
- Keep curtains or drapes closed to avoid direct sunlight during cooling operation.

Note

Please remember to record the following:

- Model Number
- Serial Number
- Dealer's Name
- Date Purchased

Remarque

N'oubliez pas de noter les informations suivantes :

- Numéro de modèle
- Numéro de série
- Nom du revendeur
- Date d'achat

Σημείωση

Παρακαλείσθε να καταγράψετε τα εξής:

- Αριθμός Μοντέλου
- Αύξων Αριθμός
- Ονομα Αντιπροσώπου
- Ημερομηνία Αγοράς

Nota

Não esqueça registar os dados seguintes:

- Número de modelo
- Número de série
- Número do representante
- Data de compra

Opmerking

Vergeet niet volgende zaken te noteren:

- Modelnummer
- Serienummer
- Dealernummer
- Aankoopdatum

Nota

No se olvide de registrar los datos siguientes:

- Número de modelo
- De série
- Del representante
- Fecha de compra

Anmerkung

Bitte notieren Sie die folganden Daten:

- Modell-Nr
- Serien-Nr
- Händler-Nr
- Kaufdatum

Nota

Ricordare di trascrivere i seguenti dati:

- Codice modello
- Numero di serie
- Codice rivenditore
- Data di acquisto

Примечание:

Не забудьте, пожалуйста, записать следующую информацию:

- Номер модели
- Номер серии
- Имя дилера
- Дата приобретения

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